

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/851,843
		Filing Date	May 8, 2001
		First Named Inventor	Gerhard Erker
		Art Unit	1621
		Examiner Name	P. Nazario - <i>GNazario</i>
Sheet 1 of 2	Attorney Docket Number	09086-00176-US	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		
	AA*	US-4,590,287	05-20-1988	Riediker et al.	
	AB*	US-4,857,854	08-15-1989	Riediker et al.	
	AC*	US-4,983,470	10-16-1990	Klingert et al.	
	AD*	US-5,026,625	06-25-1991	Riediker et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
	BA	EP-0122223-A2	10-17-1984	Ciba Geigy AG	See US 4,590,287
	BB	EP-0255486-A2	02-03-1988	Ciba Geigy AG	See US 4,857,854
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	BD	EP-0277003-A1	08-03-1988	Exxon Chemical Patents Inc	
	BE	WO-88/05793	08-11-1988	Exxon Chemical Patents Inc	
	BF	EP-0318893-A2	06-07-1989	Ciba Geigy AG	See US 5,026,625
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	BH	JP-5039229	02-19-1993	Idemitsu Kosan Co	
	BI	EP-0553491-A1	08-04-1993	Tosoh Corp	
	BJ	WO-94/00500-A1	01-06-1994	Exxon Chemical Patents Inc	
	BK	EP-0587141-A1	03-16-1994	Tosoh Corp	
	BL	EP-0587143-A1	03-16-1994	Tosoh Corp	
	BM	JP-8087877	03-29-1994	Tosoh Corp	
	BN	JP-06239913	08-30-1994	Mitsui Petrochemical Ind	See Abstract

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw the through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.88(e)(2)(ii)) because that application was filed after June 30, 2003 or is available in the GW. *Applicant: unique citation designation number (optional). *See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST-16 if possible. *Applicant is to place a check mark here if English language translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T*
<i>JS</i>	CA	GOMEZ, R. et al., "Dialkyl- and Chloroalkyltitanium anse- Metallocene Complexes: Synthesis and Characterization. Crystal Structure of $\eta^5-\eta^5-(C_5H_4)_2Si(CH_3)_2TiClCH_3$ ", <i>Organometallics</i> , 1991, Vol. 10, pp. 2516-2518.				
<i>JS</i>	CB	GROSSMAN, R. B. et al., "Enantioselective, Zirconium-Mediated Synthesis of Allylic Amines", <i>J. Am. Chem. Soc.</i> , 1991, Vol. 113, pp. 2321-2322.				
<i>JS</i>	CC	COLLINS, S. et al., "Additions of Chiral Allyltitanocenes to Aldehydes: Diastereoselective Synthesis of Homoallylic Alcohols with a Recyclable Chiral Transition Metal Reagent", <i>J. Org. Chem.</i> , 1989, Vol. 54, pp. 4154-4158.				
<i>JS</i>	CD	BUNEL, E. et al., "Carbon-Carbon Bond Activation via β -Alkyl Elimination. Reversible				
Examiner Signature <i>Patricia Nazario Gonzales</i>					Date Considered <i>7/3/01</i>	

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		Art Unit	1621
		Examiner Name	P. Nazario - <i>gonzalez</i>
Sheet	2	of	2
		Attorney Docket Number	08086-00176-US

<i>J</i>	CE	Branching of 1,4-Pentadienes Catalyzed by Scandocene Hydride Derivatives", J. Am. Chem. Soc., 1988, Vol. 110, pp. 976-978.	
<i>J</i>	CF	YASUDA, H. et al., "Zirconocene- η -4,1,3-Pentadiene Complex and Its Higher Homologues. A New Synthetic Method Involving σ - π Rearrangement of the Hydrido-2,4-pentadienylzirconium Species", Organometallica, 1984, Vol. 3, pp. 1470-1478.	
<i>J</i>	CG	SMITH, J. A. et al., "ansa-Metallocene Derivatives, III". Influence of an Interfering Ethylene Bridge on the Reactivity of Titanocene Derivatives", Journal of Organometallic Chemistry, 1981, Vol. 218, pp. 169-187.	
<i>J</i>	CH	COLLMAN, J. P. et al., "Survey According to Ligand, " Principles and Applications of Organotransition Metal Chemistry, 1987, pp. 94-182.	
<i>J</i>	CI	CHOUKROUN, R. et al., "Zirconium(III) Chemistry: Influence of Olefins in Thermolytic Behavior of (Cp ₂ ZrHX) _n ", Polyhedron, 1989, Vol. 8, No. 13/14, pp. 1758-1759.	
<i>J</i>	CJ	WILD, F. R.W.P. et al., "ansa-Metallocene Derivatives, IV. " Synthesis and Molecular Structure of Chiral ansa-Titanocene Derivatives with Bridged Tetrahydroindenyl Ligands", Journal of Organometallic Chemistry, 1992, Vol. 232, pp. 233-247.	
<i>J</i>	CK	HORTON, A. D., "Double-Insertion Reaction of Alkynes with [Cp ₂ ZrMe] ⁺ : Formation of an Unusual Distorted η -5-Pentadienyl Ligand", Organometallica, 1992, Vol. 11, pp. 8-10.	
<i>J</i>	CL	SIKORA, D. J. et al., "Reactions of Cp ₂ M(CO) ₂ and Cp ₂ M(CO)(PPh ₃) (M = Zr, Hf) with Acetylenes: Formation of Some Metallacyclopentadiene Complexes of Zirconocene and Hafnocene", Journal of Organometallic Chemistry, 1984, Vol. 276, pp. 21-37.	
<i>J</i>	CM	DIAMOND, G. M. et al., "Diene and Arene Compounds of Zirconium and Hafnium", J. Chem. Soc. Dalton Trans., 1982, pp. 2641-2648.	
<i>J</i>		YASUDA, H. et al., "Regio- and Stereochemistry in the Sequential Insertion of Carbonyl Compounds into Zirconium-Diene Complexes", Journal of Organometallic Chemistry, 1989, Vol. 363, pp. 61-76.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). *Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature 645796	<i>Jeffrey Nazario Gonzalez</i>	Date Considered	7/31/07
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